Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: INVUE

Report Number: P1459793

Luminaire Tested: LXW-CX-835-X-U-A-GM-CBP

Issue Date: 5/26/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1459793
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2509-539-28)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	5/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	INVUE
Catalog Number:	LXW-CX-835-X-U-A-GM-CBP
Description:	LuxeScape OUTDOOR ARCHITECTURAL WALL MOUNT LUMINAIRE
	ASYMMETRIC OPTIC, GRAPHITE METALLIC PAINTED FINISH
Light Source:	2200K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	375.4 lumens
Efficiency:	N/A
Efficacy:	42.2 lumens/watt
Luminous Opening:	Circular (Dia: 0.4' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G0

Input Watts (W):	8.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	N/R
Total Harmonic Distortion (THDi):	N/R
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	3 HR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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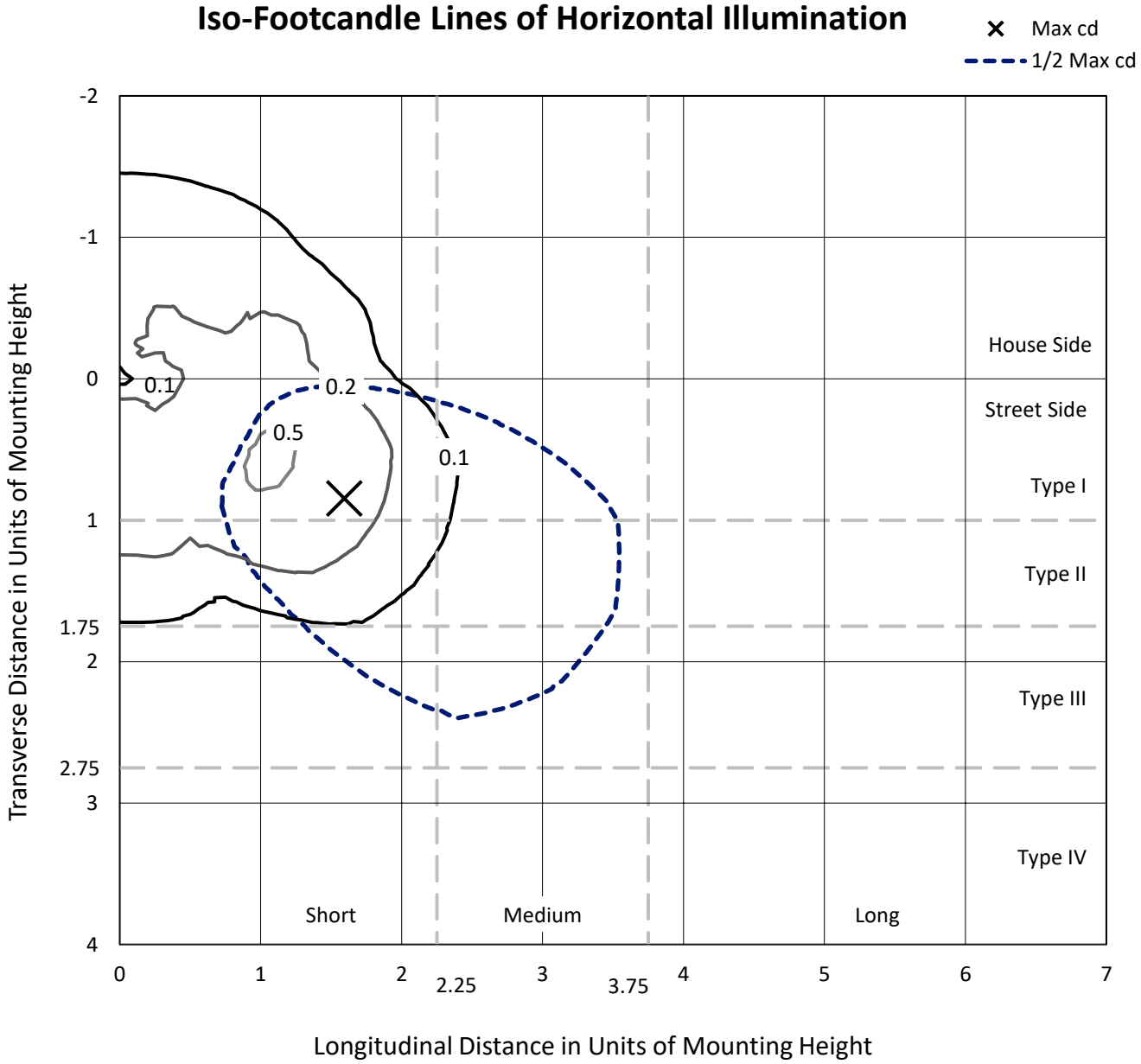
REPORT NUMBER: P1459793
CATALOG NUMBER: LXW-CX-835-X-U-A-GM-CBP

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 0.5 fc
Type III - Short - N/A

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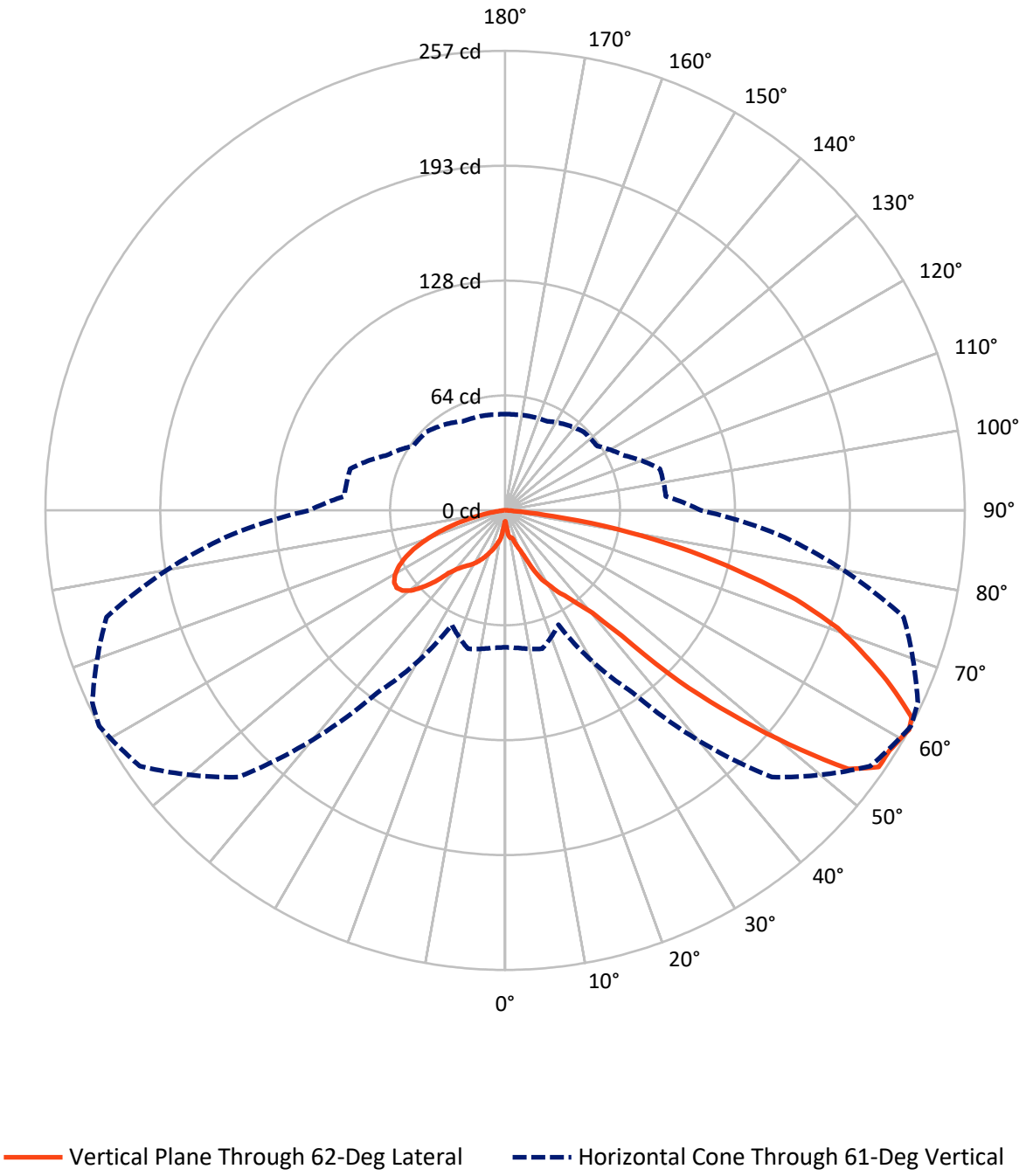
Luminous Intensity Polar Plot



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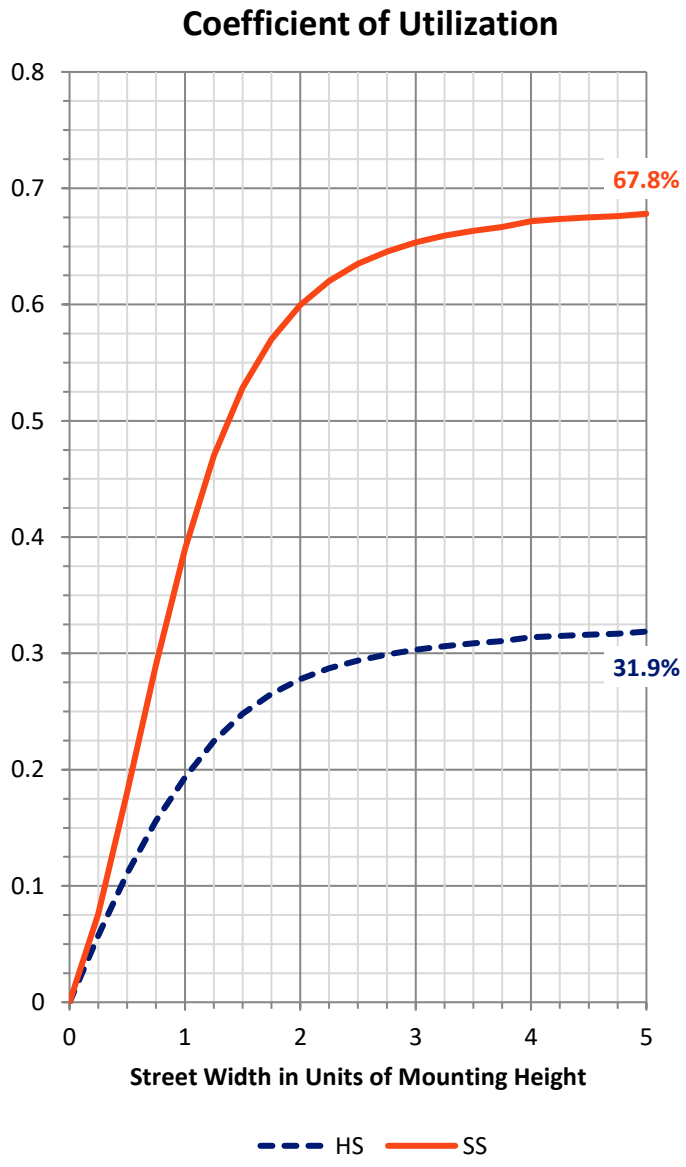
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	120.4	0.0	120.4
	% Fixture	32.1	0.0	32.1
Street Side	Lumens	255.0	0.0	255.0
	% Fixture	67.9	0.0	67.9
Total	Lumens	375.4	0.0	375.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.3
10°-20°	6.3	1.7
20°-30°	14.7	3.9
30°-40°	27.2	7.2
40°-50°	57.8	15.4
50°-60°	101.7	27.1
60°-70°	101.1	26.9
70°-80°	57.8	15.4
80°-90°	7.6	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	375.4	100.0
0°-180°	375.4	100.0



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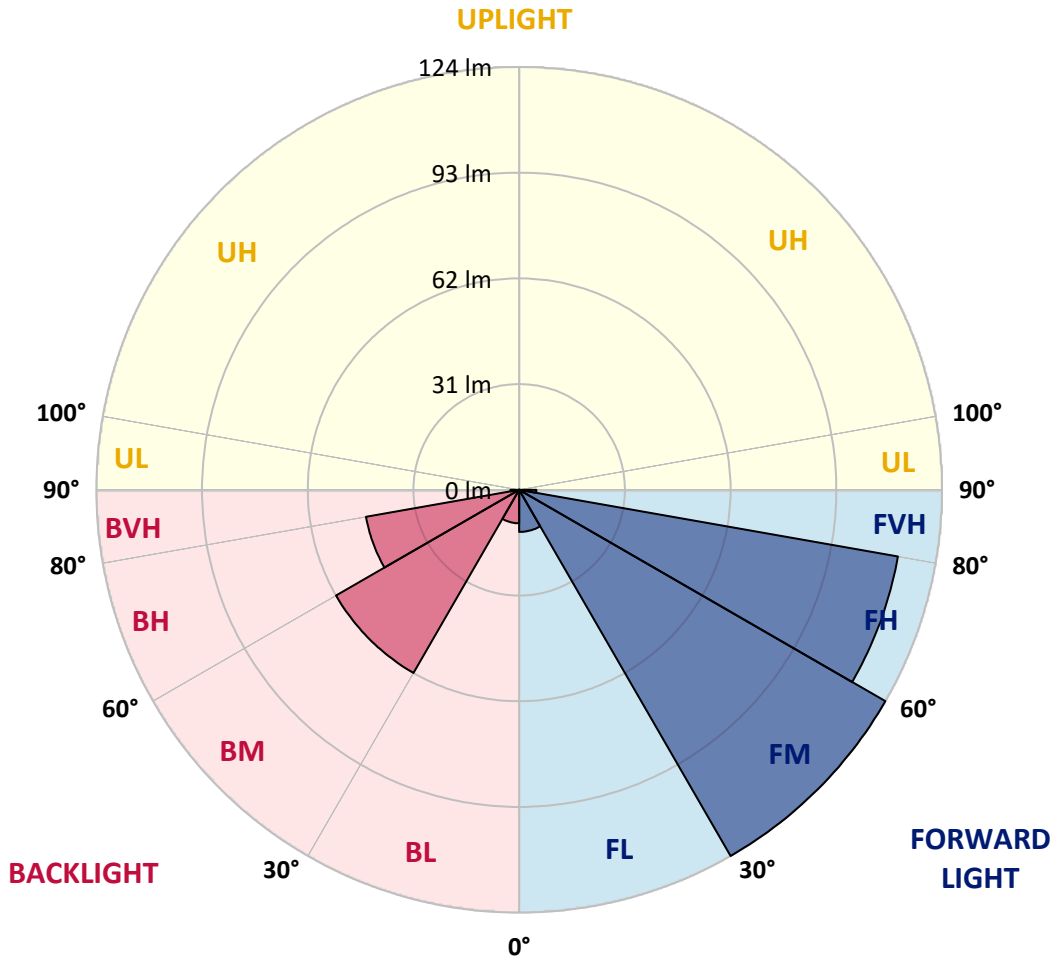
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	12.4	3.3			
FM	(30°-60°)	124.4	33.1			
FH	(60°-80°)	113.2	30.1			G0/660
FVH	(80°-90°)	5.0	1.3			G0/10
BL	(0°-30°)	9.9	2.6	B0/110		
BM	(30°-60°)	62.2	16.6	B0/220		
BH	(60°-80°)	45.8	12.2	B0/110		G0/110
BVH	(80°-90°)	2.5	0.7			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
Type III Short



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REPORT NUMBER: P1459793
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62°	65°	75°	85°
0°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	7.8	7.8	7.8	8.4	7.8	7.2	7.2	7.2	7.2	6.6	6.6
5°	13.1	13.1	13.1	12.5	12.0	12.0	10.8	10.2	9.6	9.0	9.0
7.5°	20.3	19.7	21.5	20.9	18.5	16.1	14.9	14.3	13.7	13.1	12.5
10°	25.7	26.9	24.5	23.9	22.7	19.7	16.7	15.5	14.9	14.3	13.1
12.5°	29.9	28.1	26.9	27.5	24.5	20.9	17.9	15.5	14.9	14.3	13.7
15°	31.7	32.3	31.7	30.5	26.9	22.1	18.5	16.7	16.7	15.5	16.1
17.5°	35.3	35.3	34.7	31.1	28.1	23.3	20.9	20.3	19.7	17.9	17.9
20°	37.6	38.2	38.2	32.3	29.3	25.7	24.5	23.3	22.7	21.5	19.7
22.5°	40.0	41.2	40.0	35.3	31.7	28.7	28.7	28.1	27.5	25.1	23.9
25°	43.0	43.0	41.8	36.4	34.1	32.3	35.9	36.4	35.3	29.9	28.1
27.5°	45.4	46.0	43.6	39.4	36.4	37.6	43.6	43.6	43.0	35.3	31.7
30°	47.8	47.8	46.0	41.2	38.8	43.0	48.4	48.4	48.4	43.0	35.9
32.5°	49.6	49.6	47.8	43.0	41.2	47.8	53.2	54.4	53.8	48.4	39.4
35°	50.8	51.4	49.0	44.8	43.6	52.6	58.0	59.2	59.2	54.4	43.0
37.5°	53.2	53.2	51.4	46.0	47.2	59.2	65.1	66.3	66.3	60.9	47.8
40°	55.6	55.0	53.8	49.0	51.4	67.5	73.5	75.3	75.3	70.5	53.8
42.5°	59.2	59.2	58.0	53.2	59.2	84.8	91.4	95.6	95.6	88.4	66.3
45°	69.3	69.3	69.9	64.5	75.3	117.1	132.1	136.2	135.0	122.5	86.6
47.5°	74.7	74.1	77.1	69.9	89.6	145.2	163.7	170.3	169.1	157.1	107.6
50°	80.7	80.7	85.4	77.7	107.0	176.3	199.6	205.5	204.9	188.2	126.1
52.5°	82.5	83.1	89.0	81.3	118.3	199.0	231.8	240.2	238.4	213.3	140.4
55°	83.1	84.2	89.6	80.7	123.7	211.5	248.0	253.3	252.2	227.1	149.4
57.5°	81.9	83.1	86.6	75.9	126.1	213.3	248.0	253.3	251.6	230.6	153.6
60°	78.3	79.5	82.5	72.3	125.5	212.1	247.4	255.7	253.3	231.2	154.2
61°	76.5	77.1	80.1	70.5	124.3	210.9	249.2	256.9	254.5	230.6	153.0
62.5°	72.9	74.1	76.5	66.9	120.7	207.9	247.4	255.1	253.3	228.3	150.0
65°	65.7	66.9	68.1	59.8	114.1	197.8	233.0	237.2	236.6	215.1	141.0
67.5°	57.4	58.0	59.8	52.0	105.2	182.8	212.1	217.5	216.3	197.8	129.7
70°	47.8	48.4	50.2	43.0	94.4	163.1	191.2	197.2	196.0	178.1	115.9
72.5°	37.0	37.6	38.8	33.5	80.1	139.2	163.7	169.7	169.1	153.6	99.2
75°	26.3	26.9	28.1	24.5	62.7	112.9	130.9	134.4	135.6	124.3	78.3
77.5°	16.7	16.7	17.3	15.5	44.8	82.5	96.2	99.2	100.4	91.4	56.8
80°	9.0	9.0	9.0	8.4	25.7	51.4	60.3	63.3	62.7	58.0	34.1
82.5°	4.2	4.2	4.2	3.6	9.6	19.7	24.5	26.9	28.7	24.5	13.7
85°	1.8	1.8	2.4	1.2	2.4	3.6	4.2	4.8	5.4	5.4	3.6
87.5°	1.8	1.8	1.8	0.6	1.2	1.8	2.4	2.4	2.4	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P1459793
CATALOG NUMBER: LXW-CX-835-X-U-A-GM-CBP

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	6.6	6.6	6.6	6.6	7.8	7.2	7.2	6.6	6.0	6.0	6.0
5°	8.4	7.8	8.4	9.6	9.6	10.2	10.8	10.8	10.2	10.2	10.2
7.5°	12.5	12.0	12.0	12.5	14.3	16.1	16.1	14.9	13.7	12.5	12.5
10°	13.1	13.1	13.7	15.5	19.7	20.3	20.3	17.9	16.7	16.1	16.1
12.5°	13.7	13.7	14.9	16.7	21.5	21.5	21.5	20.3	18.5	16.7	16.7
15°	16.1	16.1	17.3	19.7	22.1	23.3	23.9	22.7	20.3	16.1	16.1
17.5°	17.9	19.1	20.3	22.1	23.9	25.1	25.1	23.9	20.3	17.3	16.1
20°	20.3	21.5	24.5	24.5	25.1	26.3	26.3	24.5	19.7	17.3	16.7
22.5°	23.3	25.1	27.5	26.9	26.9	27.5	28.1	25.7	20.3	17.9	17.3
25°	28.1	28.7	29.9	29.3	29.3	28.1	29.9	27.5	22.7	19.7	19.7
27.5°	31.7	31.7	32.9	31.7	31.1	30.5	31.1	29.3	24.5	22.1	21.5
30°	34.1	34.7	35.9	34.1	32.9	31.7	32.3	30.5	26.3	23.9	23.9
32.5°	37.0	37.6	37.6	36.4	34.1	32.9	33.5	31.1	26.9	25.7	25.1
35°	40.0	40.0	40.0	38.2	35.9	34.7	34.7	32.3	28.1	26.9	26.3
37.5°	43.0	43.0	43.0	40.6	37.6	36.4	35.9	33.5	29.9	28.7	28.1
40°	47.8	46.6	46.6	43.6	40.0	38.2	37.6	34.1	31.7	30.5	30.5
42.5°	56.8	54.4	53.8	48.4	44.2	41.8	40.6	37.0	34.7	33.5	32.9
45°	71.1	66.3	66.3	57.4	52.0	50.2	48.4	43.6	41.8	40.0	39.4
47.5°	84.8	77.7	77.7	65.1	57.4	56.2	53.8	48.4	46.6	44.8	44.2
50°	98.0	87.2	87.2	71.7	62.7	61.5	58.6	54.4	52.0	50.2	50.2
52.5°	107.6	94.4	94.4	75.9	65.7	65.1	62.1	57.4	55.0	53.2	53.2
55°	111.7	96.2	96.2	77.7	66.9	66.3	63.3	59.2	56.2	55.0	55.0
57.5°	112.3	94.4	94.4	77.1	66.3	65.7	61.5	57.4	56.2	55.6	55.0
60°	110.5	91.4	91.4	74.7	63.9	63.3	59.8	55.6	55.0	54.4	54.4
61°	*109.3*	*90.2*	*89.6*	*72.9*	*62.7*	*62.1*	*58.6*	*55.0*	*54.4*	*53.8*	*53.8*
62.5°	107.6	87.2	87.2	70.5	60.3	60.3	56.8	53.8	52.6	52.6	52.6
65°	100.4	80.7	80.1	65.1	55.6	55.6	52.6	50.8	49.6	49.6	49.6
67.5°	90.8	71.7	71.1	58.0	49.6	49.6	47.2	46.0	45.4	45.4	46.0
70°	79.5	62.1	60.9	49.6	42.4	43.0	40.6	41.2	40.6	40.6	41.2
72.5°	67.5	51.4	50.2	40.0	34.7	35.9	34.7	35.9	34.7	35.3	35.9
75°	52.6	39.4	38.2	29.9	26.9	28.1	27.5	29.3	28.7	29.3	29.3
77.5°	36.4	26.9	25.7	20.3	19.1	20.3	20.3	22.1	21.5	22.7	22.7
80°	20.9	16.1	14.9	12.0	12.0	12.5	13.1	14.9	14.9	15.5	16.1
82.5°	8.4	6.6	6.6	5.4	6.0	6.6	6.6	8.4	8.4	9.0	9.0
85°	1.8	2.4	3.0	2.4	2.4	2.4	1.8	3.0	3.0	3.6	3.6
87.5°	1.2	1.2	1.8	1.8	1.8	1.8	1.2	1.8	2.4	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Invue

Report Number: SP1-2509-539-7

Test Date: 04/15/2026

Luminaire Tested: Luxscape Bollard

Data in this report applies to families of products including ;Luxscape

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

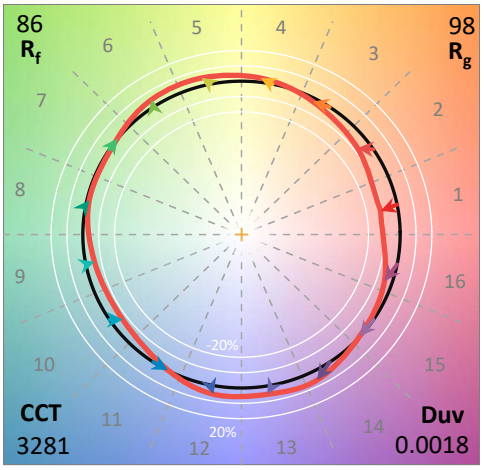
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2509-539-7
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	04/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Invue
Catalog Number:	**Luxscape Bollard**
Description:	ARB-C1-835-LED-XX-Dx-S-GM-SPECULAR REFLECTOR

Spectral Parameters

CCT (K):	3281
CIE u':	0.2408
CIE v':	0.5181
Duv:	0.0018
CIE x:	0.4204
CIE y:	0.4020
CIE z:	0.1776
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	581
Purity:	46.84629
Rf:	85.8
Rg:	97.6

CRI (Ra):	83.9
R1:	82.0
R2:	89.5
R3:	96.9
R4:	84.3
R5:	82.6
R6:	87.7
R7:	85.4
R8:	62.6
R9:	9.4
R10:	76.7
R11:	85.1
R12:	73.1
R13:	83.6
R14:	98.3
R15:	74.0



Test Conditions

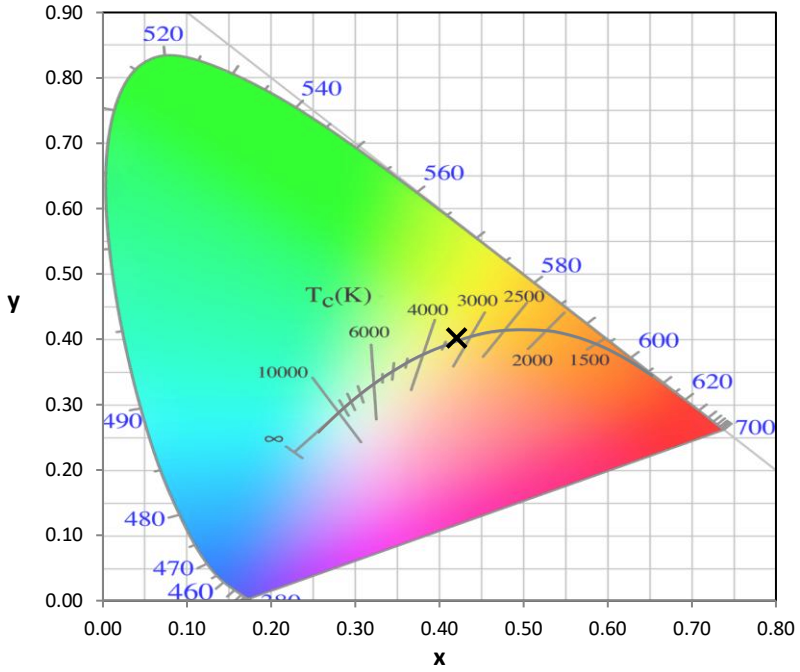
Stabilization Time:	31M
Operation Time:	1H 31M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2509-539-7

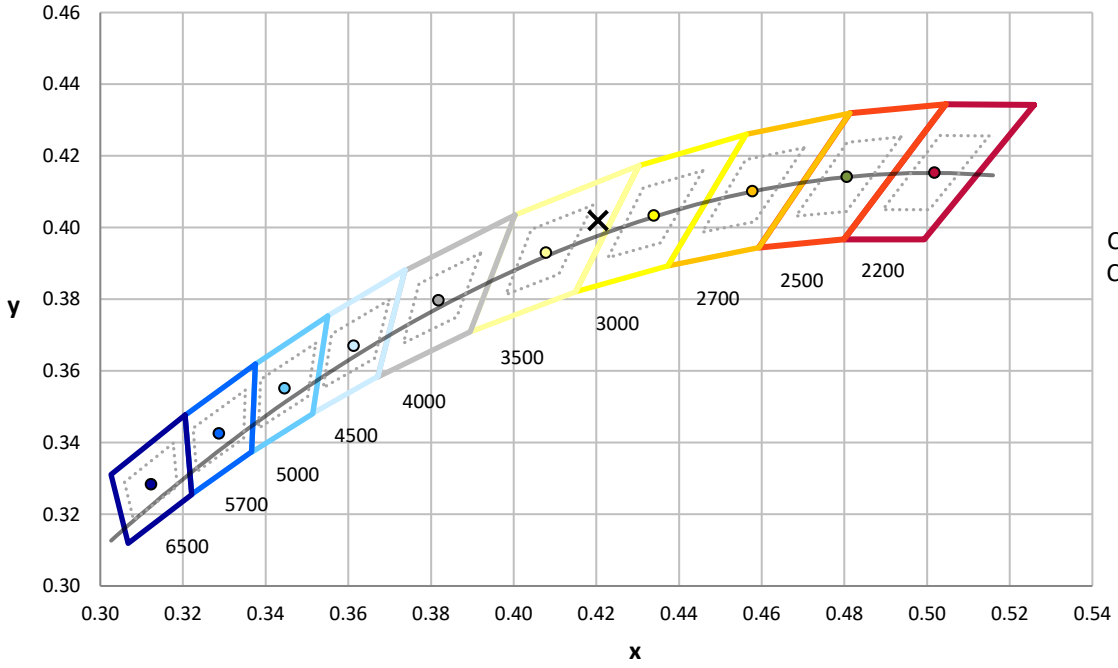
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	10/21/2025	10/21/2026
Sphere Thermometer	ONSET IN0085	10/21/2025	10/21/2026
Room Thermometer	ONSET IN0046	10/21/2025	10/21/2026

REPORT NUMBER: SP1-2509-539-7

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

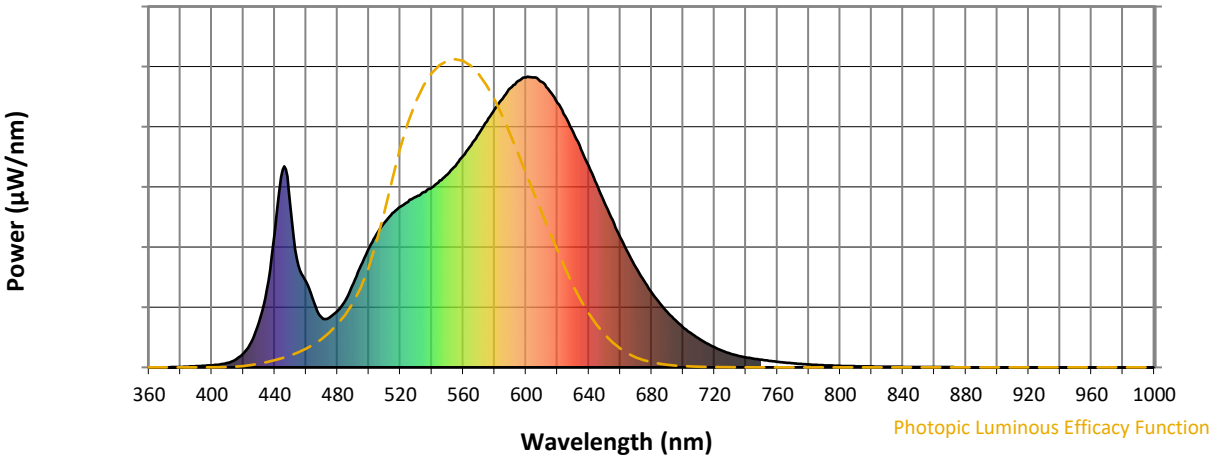


CCT = 3281K
CIE x = 0.4204
CIE y = 0.4020
Duv = 0.0018

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2509-539-7

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	288	NR	620	909	NR	750	26	NR	880	0	NR
365	0	NR	495	351	NR	625	864	NR	755	22	NR	885	0	NR
370	0	NR	500	411	NR	630	809	NR	760	19	NR	890	0	NR
375	1	NR	505	459	NR	635	750	NR	765	16	NR	895	0	NR
380	2	NR	510	498	NR	640	691	NR	770	14	NR	900	0	NR
385	3	NR	515	530	NR	645	629	NR	775	12	NR	905	0	NR
390	4	NR	520	553	NR	650	566	NR	780	10	NR	910	0	NR
395	5	NR	525	569	NR	655	507	NR	785	8	NR	915	0	NR
400	7	NR	530	586	NR	660	447	NR	790	7	NR	920	0	NR
405	10	NR	535	603	NR	665	393	NR	795	6	NR	925	0	NR
410	16	NR	540	619	NR	670	343	NR	800	5	NR	930	0	NR
415	27	NR	545	642	NR	675	298	NR	805	4	NR	935	0	NR
420	48	NR	550	663	NR	680	257	NR	810	4	NR	940	0	NR
425	87	NR	555	692	NR	685	221	NR	815	3	NR	945	0	NR
430	155	NR	560	728	NR	690	190	NR	820	3	NR	950	0	NR
435	270	NR	565	763	NR	695	163	NR	825	2	NR	955	0	NR
440	462	NR	570	804	NR	700	138	NR	830	2	NR	960	0	NR
445	679	NR	575	845	NR	705	117	NR	835	2	NR	965	0	NR
450	553	NR	580	886	NR	710	99	NR	840	2	NR	970	0	NR
455	351	NR	585	924	NR	715	82	NR	845	1	NR	975	0	NR
460	295	NR	590	960	NR	720	69	NR	850	1	NR	980	0	NR
465	223	NR	595	985	NR	725	57	NR	855	1	NR	985	0	NR
470	170	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	171	NR	605	997	NR	735	40	NR	865	1	NR	995	0	NR
480	195	NR	610	982	NR	740	34	NR	870	1	NR	1000	0	NR
485	230	NR	615	951	NR	745	30	NR	875	1	NR			

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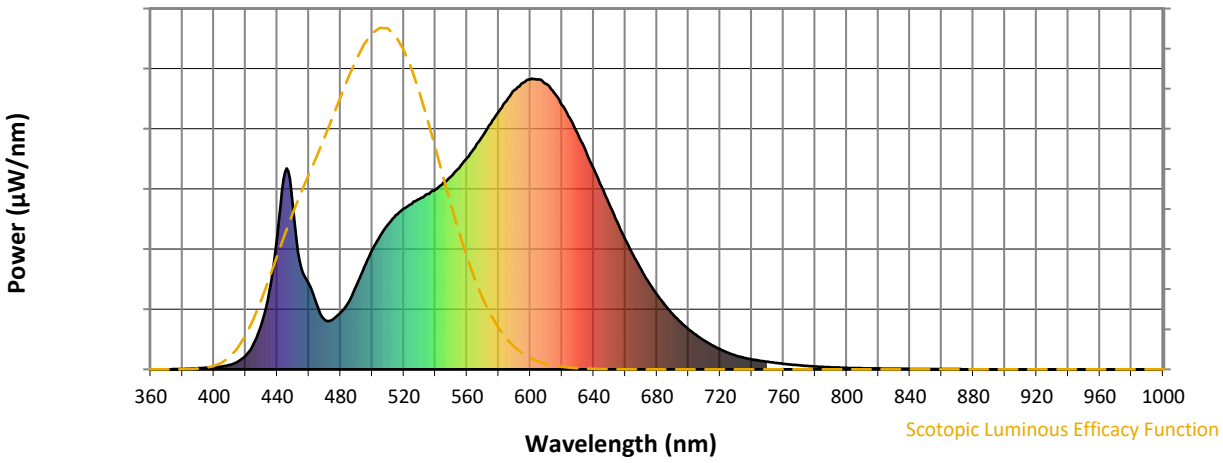
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.44**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	288	NR	620	909	NR	750	26	NR	880	0	NR
365	0	NR	495	351	NR	625	864	NR	755	22	NR	885	0	NR
370	0	NR	500	411	NR	630	809	NR	760	19	NR	890	0	NR
375	1	NR	505	459	NR	635	750	NR	765	16	NR	895	0	NR
380	2	NR	510	498	NR	640	691	NR	770	14	NR	900	0	NR
385	3	NR	515	530	NR	645	629	NR	775	12	NR	905	0	NR
390	4	NR	520	553	NR	650	566	NR	780	10	NR	910	0	NR
395	5	NR	525	569	NR	655	507	NR	785	8	NR	915	0	NR
400	7	NR	530	586	NR	660	447	NR	790	7	NR	920	0	NR
405	10	NR	535	603	NR	665	393	NR	795	6	NR	925	0	NR
410	16	NR	540	619	NR	670	343	NR	800	5	NR	930	0	NR
415	27	NR	545	642	NR	675	298	NR	805	4	NR	935	0	NR
420	48	NR	550	663	NR	680	257	NR	810	4	NR	940	0	NR
425	87	NR	555	692	NR	685	221	NR	815	3	NR	945	0	NR
430	155	NR	560	728	NR	690	190	NR	820	3	NR	950	0	NR
435	270	NR	565	763	NR	695	163	NR	825	2	NR	955	0	NR
440	462	NR	570	804	NR	700	138	NR	830	2	NR	960	0	NR
445	679	NR	575	845	NR	705	117	NR	835	2	NR	965	0	NR
450	553	NR	580	886	NR	710	99	NR	840	2	NR	970	0	NR
455	351	NR	585	924	NR	715	82	NR	845	1	NR	975	0	NR
460	295	NR	590	960	NR	720	69	NR	850	1	NR	980	0	NR
465	223	NR	595	985	NR	725	57	NR	855	1	NR	985	0	NR
470	170	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	171	NR	605	997	NR	735	40	NR	865	1	NR	995	0	NR
480	195	NR	610	982	NR	740	34	NR	870	1	NR	1000	0	NR
485	230	NR	615	951	NR	745	30	NR	875	1	NR			

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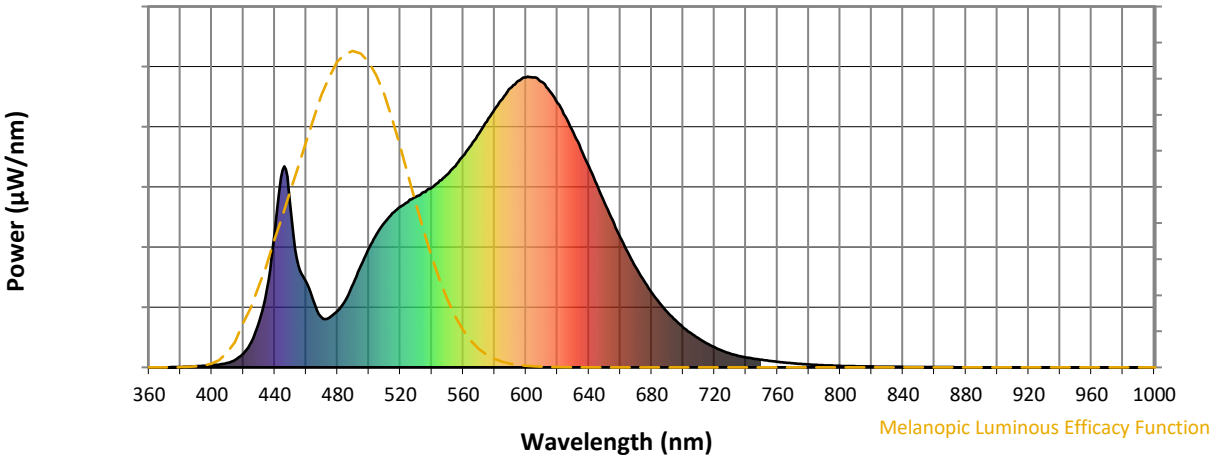
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.79**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	288	NR	620	909	NR	750	26	NR	880	0	NR
365	0	NR	495	351	NR	625	864	NR	755	22	NR	885	0	NR
370	0	NR	500	411	NR	630	809	NR	760	19	NR	890	0	NR
375	1	NR	505	459	NR	635	750	NR	765	16	NR	895	0	NR
380	2	NR	510	498	NR	640	691	NR	770	14	NR	900	0	NR
385	3	NR	515	530	NR	645	629	NR	775	12	NR	905	0	NR
390	4	NR	520	553	NR	650	566	NR	780	10	NR	910	0	NR
395	5	NR	525	569	NR	655	507	NR	785	8	NR	915	0	NR
400	7	NR	530	586	NR	660	447	NR	790	7	NR	920	0	NR
405	10	NR	535	603	NR	665	393	NR	795	6	NR	925	0	NR
410	16	NR	540	619	NR	670	343	NR	800	5	NR	930	0	NR
415	27	NR	545	642	NR	675	298	NR	805	4	NR	935	0	NR
420	48	NR	550	663	NR	680	257	NR	810	4	NR	940	0	NR
425	87	NR	555	692	NR	685	221	NR	815	3	NR	945	0	NR
430	155	NR	560	728	NR	690	190	NR	820	3	NR	950	0	NR
435	270	NR	565	763	NR	695	163	NR	825	2	NR	955	0	NR
440	462	NR	570	804	NR	700	138	NR	830	2	NR	960	0	NR
445	679	NR	575	845	NR	705	117	NR	835	2	NR	965	0	NR
450	553	NR	580	886	NR	710	99	NR	840	2	NR	970	0	NR
455	351	NR	585	924	NR	715	82	NR	845	1	NR	975	0	NR
460	295	NR	590	960	NR	720	69	NR	850	1	NR	980	0	NR
465	223	NR	595	985	NR	725	57	NR	855	1	NR	985	0	NR
470	170	NR	600	997	NR	730	47	NR	860	1	NR	990	0	NR
475	171	NR	605	997	NR	735	40	NR	865	1	NR	995	0	NR
480	195	NR	610	982	NR	740	34	NR	870	1	NR	1000	0	NR
485	230	NR	615	951	NR	745	30	NR	875	1	NR			

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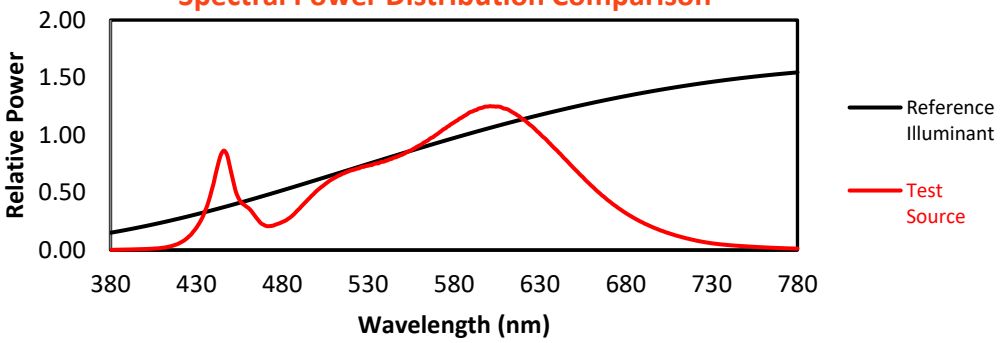
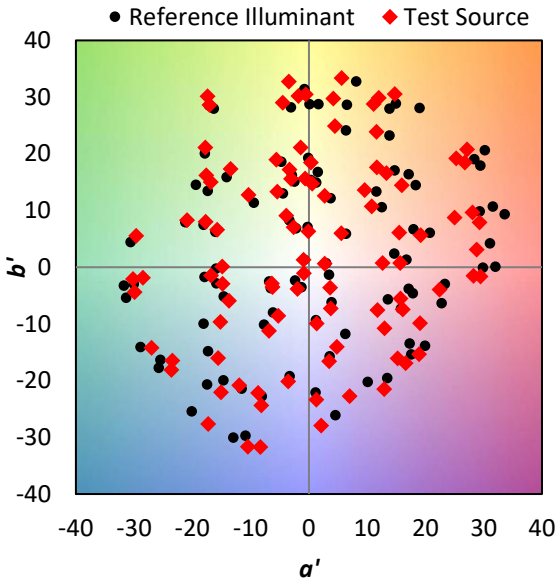
Summary

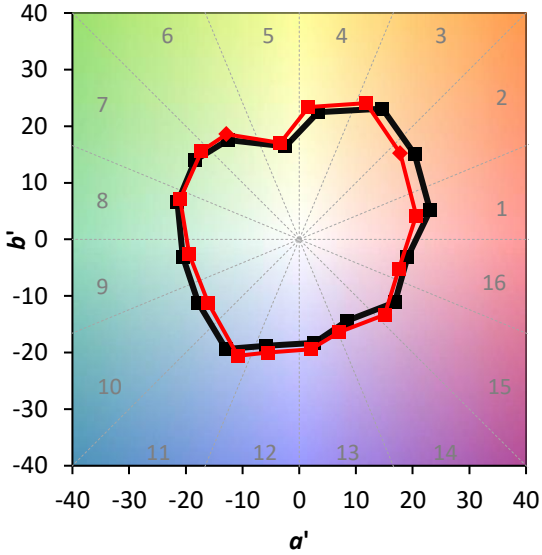
R_f = 85.8
R_g = 97.6
CIE R_a = 83.9
R_9 = 9.4

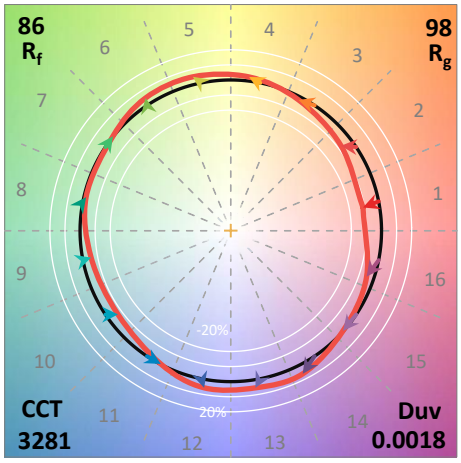
Spectral Power Distribution Comparison

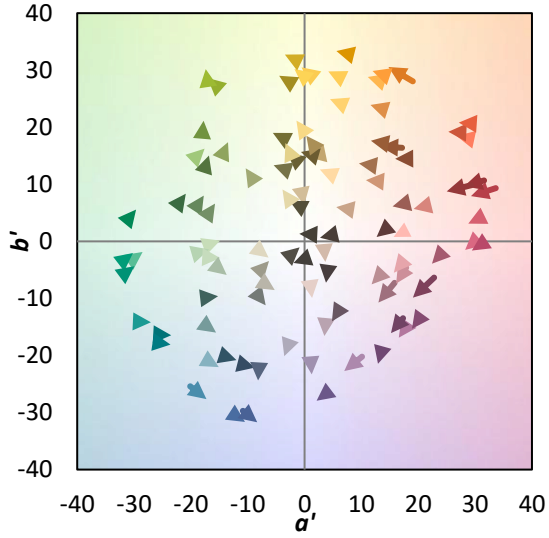


Color Vector Graphics









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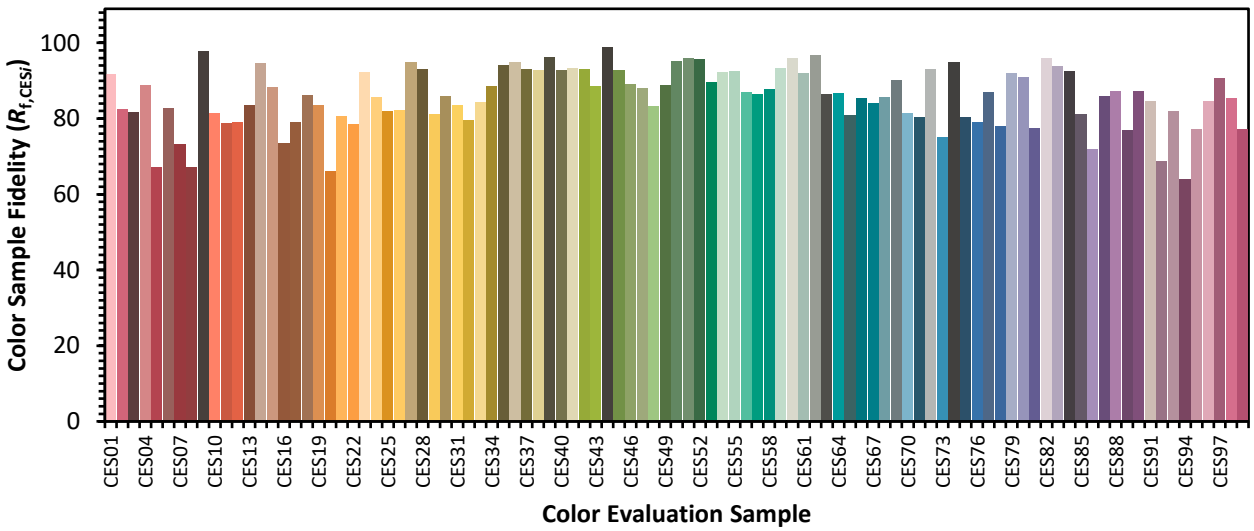
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 82	CES51 = 96	CES76 = 79
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 93	CES53 = 90	CES78 = 78
CES04 = 70	CES29 = 81	CES54 = 92	CES79 = 92
CES05 = 49	CES30 = 86	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 84	CES56 = 87	CES81 = 77
CES07 = 42	CES32 = 80	CES57 = 86	CES82 = 96
CES08 = 40	CES33 = 84	CES58 = 88	CES83 = 94
CES09 = 29	CES34 = 89	CES59 = 93	CES84 = 93
CES10 = 75	CES35 = 94	CES60 = 96	CES85 = 81
CES11 = 58	CES36 = 95	CES61 = 92	CES86 = 72
CES12 = 64	CES37 = 93	CES62 = 97	CES87 = 86
CES13 = 43	CES38 = 93	CES63 = 87	CES88 = 87
CES14 = 74	CES39 = 96	CES64 = 87	CES89 = 77
CES15 = 71	CES40 = 93	CES65 = 81	CES90 = 87
CES16 = 47	CES41 = 93	CES66 = 85	CES91 = 85
CES17 = 50	CES42 = 93	CES67 = 84	CES92 = 69
CES18 = 56	CES43 = 89	CES68 = 86	CES93 = 82
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 93	CES70 = 81	CES95 = 77
CES21 = 86	CES46 = 89	CES71 = 80	CES96 = 85
CES22 = 79	CES47 = 88	CES72 = 93	CES97 = 91
CES23 = 92	CES48 = 83	CES73 = 75	CES98 = 85
CES24 = 91	CES49 = 89	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 95	CES75 = 80	



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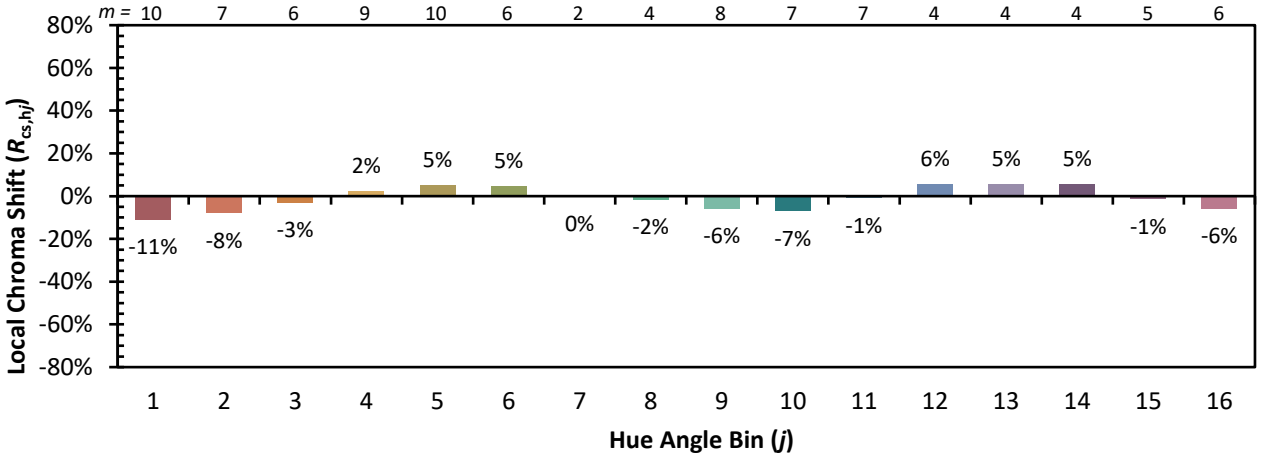
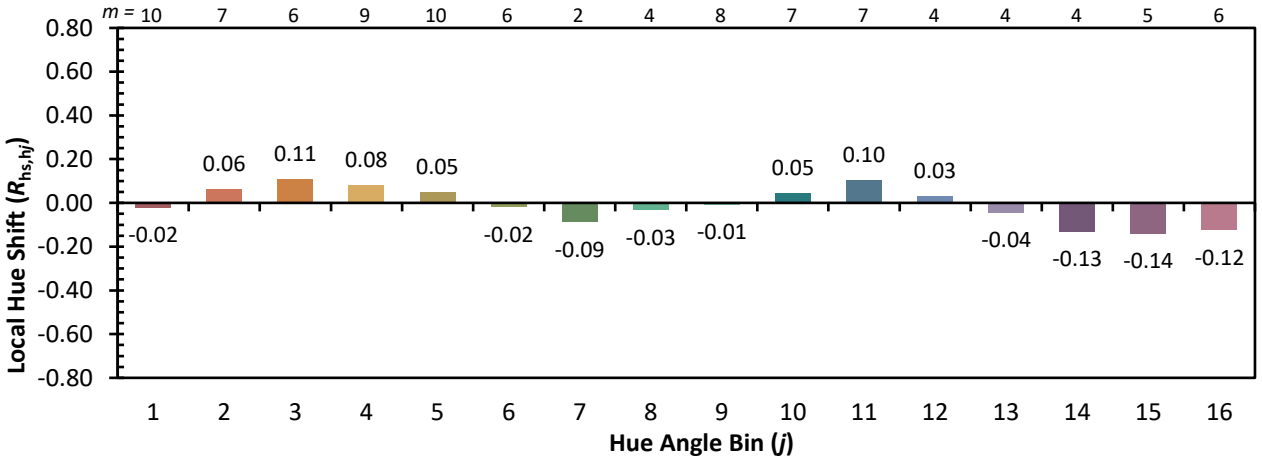
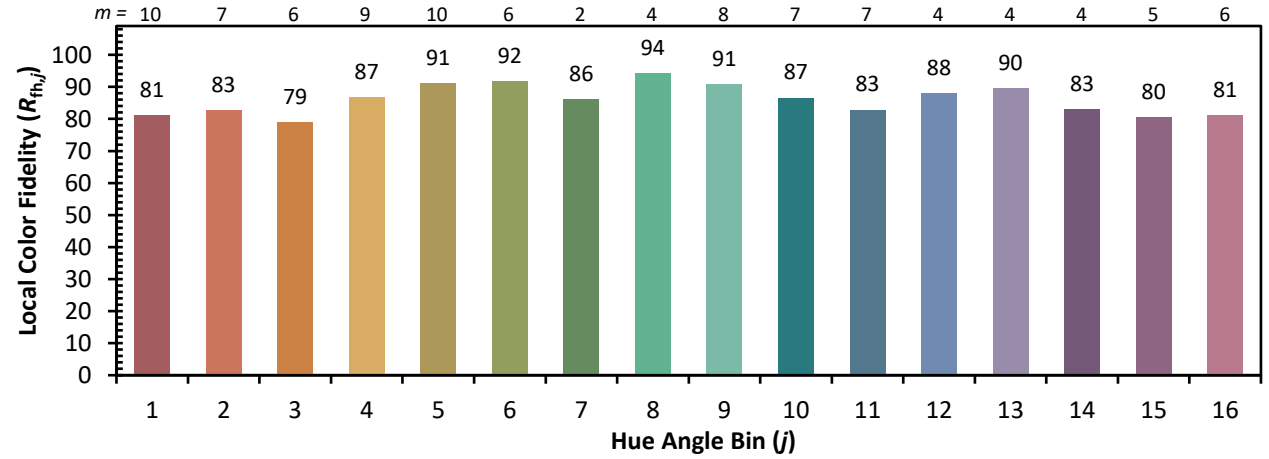
Color Rendition by Hue-Angle Bin







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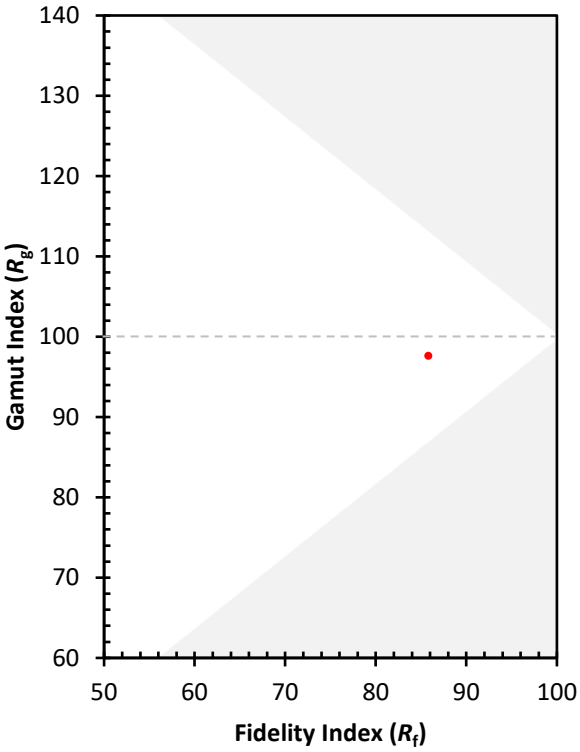
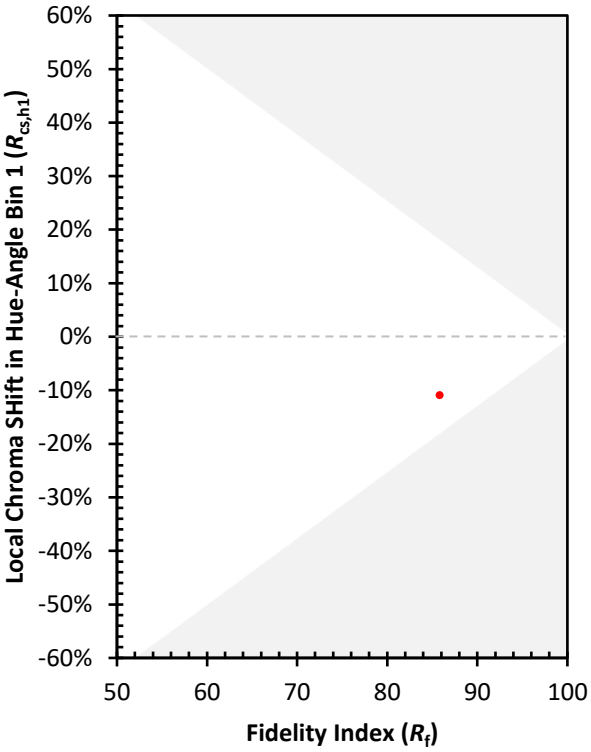
Measure Comparisons





(END OF REPORT)